

## Datasheet: MCA1026

**BATCH NUMBER 161123**

<b>Description:</b>	MOUSE ANTI hCG (ALPHA 4 EPITOPE)
<b>Specificity:</b>	hCG (ALPHA 4 EPITOPE)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	INN-hFSH-132
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			1ng/ml - 30ng/ml
Immunoprecipitation	▪			
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using steam heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>Immunogen</b>	Human Follicle Stimulating Hormone (FSH).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01215</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1081</a>    CGA    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_321599
<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti hCG (Alpha 4 Epitope) antibody, clone INN-hFSH-132</b> is a high affinity antibody recognising the alpha 4 epitope of the alpha-subunit of Human Chorionic Gonadotrophin (hCG), hLH, hFSH, hTSH and free alpha-subunit.</p> <p>The recognised epitope comprises amino-acids alpha 15 to alpha 22 of the human sequence.</p> <p>Mouse anti hCG (Alpha 4 Epitope) antibody, clone INN-hFSH-132 will not cross-react with glycoprotein hormones of various animal species.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Berger, P. <i>et al.</i> (1988) Antigenic features of human follicle stimulating hormone delineated by monoclonal antibodies and construction of an immunoradiometric assay. <a href="#">Endocrinology. 123 (5): 2351-9.</a></li> <li>Berger, P. <i>et al.</i> (1990) Monoclonal antibodies against the free subunits of human chorionic gonadotrophin. <a href="#">J Endocrinol. 125 (2): 301-9.</a></li> <li>Dirnhofer, S. <i>et al.</i> (1994) Free alpha subunit of human chorionic gonadotrophin: molecular basis of immunologically and biologically active domains. <a href="#">J Endocrinol. 140 (1): 145-54.</a></li> <li>Zimmermann, G. <i>et al.</i> (2009) Epithelial human chorionic gonadotropin is expressed and produced in human secretory endometrium during the normal menstrual cycle. <a href="#">Biol Reprod. 80:1053-65.</a></li> <li>Untergasser, G. <i>et al.</i> (2001) Seminal plasma factors induce in vitro PRL secretion in smooth muscle cells of the human prostate. <a href="#">J Clin Endocrinol Metab. 86: 5577-84.</a></li> <li>Zenzmaier, C. <i>et al.</i> (2011) Decreased levels of genuine large free hCG alpha in men presenting with abnormal semen analysis. <a href="#">Reprod Biol Endocrinol. 9: 114.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1026">https://www.bio-rad-antibodies.com/SDS/MCA1026</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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